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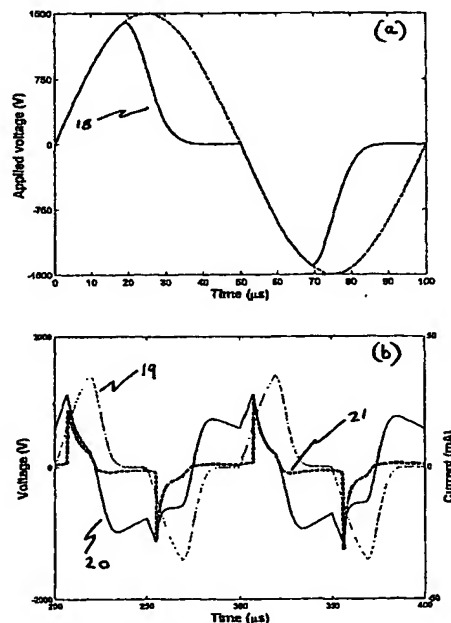
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(54) Title: GENERATION OF DIFFUSE NON-THERMAL ATMOSPHERIC PLASMAS



(57) Abstract: A method of generating non-thermal atmospheric gas plasmas using an applied voltage with specially-shaped waveforms. The waveforms are shaped to avoid energy wastage by attenuating the voltage in the period after current discharge has occurred. A control system may also be used to shape the applied voltage waveform in response to the gas discharge current.

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